

2/4 YOR9-2000-0472US1 (8728-416)

Parameter	Type	Unit	Description
TID	word	n/a	Task IDentification number
NP	byte	n/a	Number of potential host processing units
P _{TID,1}	byte	n/a	ID of most energy efficient processor
CPS _{TID,PTID,1}	word	[kHz]	Required cycles/sec to sustain task
ADDR ₁	void*	n/a	Pointer to task code
•			
P _{TID,NP}	byte	n/a	ID of least energy efficient processor
CPS _{TID,PTID,NP}	word	[kHz]	Required cycles/sec to sustain task
ADDR _{NP}	void*	n/a	Pointer to task code

FIG. 2

Parameter	Type	Unit	Description	
N	byte	n/a	Number of processing units	
CPS ₁	word	[kHz]	Currently available cycles/sec	
CPS _{NP}	word	[kHz]	Currently available cycles/sec	

3/4 YOR9-2000-0472US1 (8728-416) -340 Query processor P_{TID,i} for Interrupt Function 350 Processor interrupt IF_Accept = true? IF_Accept 2 -352 355 360 361 interrupt > 0? Increment i by 1 State = Idle Ready Quened 2 -310 No category = I/O? Interrupt Start Yes 325 -319 .320 -318 -330 Get next interrupt in queue Yes Resolve interrupt to task Retreive task attributes to accept or reject task Issue request to P_{TID,i} attribute list address State = Busy Yes -315 -316 respect to arrival order Queue interrupt with State = Idle? I/O Interrupt 317 Wait

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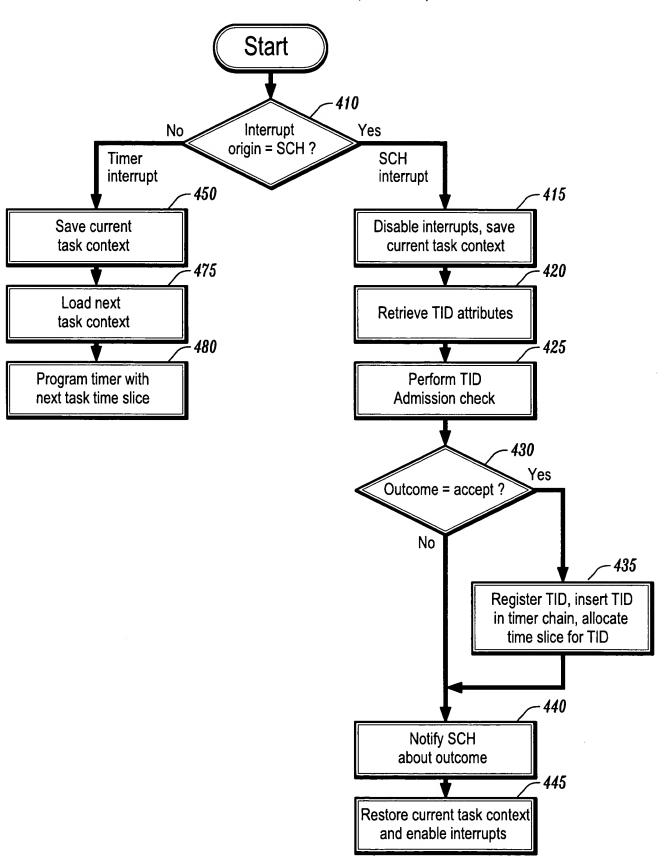


FIG. 5